

MHz Band Ceramic Chip Resonators (SMD) PBRC-G/ PBRC-L Series



for Consumer Applications



RoHS Compliant

Features

- High reliability, high temperature withstanding ceramic case
- Rectangular shape allows easy pick and placement
- Small & low profile
- Reflow solderable
- Excellent solderability (Nickel barrier+Au flash terminations)

How to Order

PBRC 15.00 G R 50 X 000
① ② ③ ④ ⑤ ⑥ ⑦

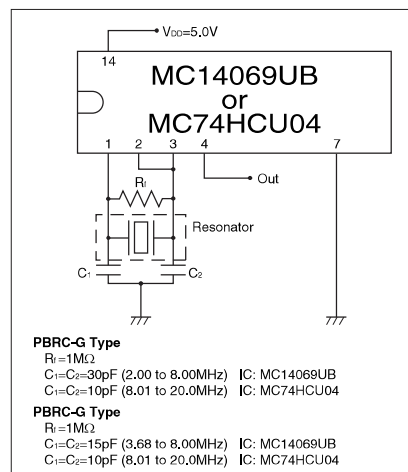
- ① Series
② Frequency (MHz)
③ Type (G, L)
④ Packing _Bulk (Null)
R Reel (G: 2k/ reel, L: 3k/ reel)
⑤ Frequency Tolerance at 25°C
- | | | | |
|----|-------|----|-------|
| 10 | ±0.1% | 20 | ±0.2% |
| 30 | ±0.3% | 40 | ±0.4% |
| 50 | ±0.5% | 70 | ±0.7% |
- ⑥ Operating Temperature
X -40°C to 85°C
⑦ Unique Code

Specifications

Series	Frequency Range (MHz)	Frequency Tolerance (25°C)	Temperature Stability
PBRC-G	2.00 to 8.00	±0.5% (op. ±0.3%)	±0.5% (-40 to 85°C)
	8.01 to 20.0	±0.7% (op. ±0.5%)	±0.1% (-40 to 85°C)
PBRC-L	4.00 to 8.00	±0.5% (op. ±0.3%)	±0.5% (-40 to 85°C)
	8.01 to 20.0	±0.7% (op. ±0.5%)	±0.1% (-40 to 85°C)

* Aging for 10 years is within ±0.3% from the initial frequency at 25°C.

Test Circuit

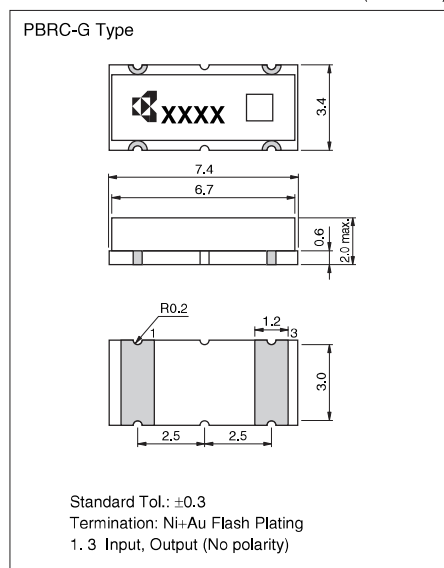


Note)

- Values of C₁, C₂ and R₁ are evaluated with IC, MC14069UB, and evaluation of circuit is necessary when using other IC's.
- IC circuit matching may be referenced with
 - 1) IC data books
 - 2) List of Recommended circuits in Kyocera website.
- Please contact IC manufacturer or Kyocera when there are difficulties in finding recommended circuits.

Dimensions

(Unit: mm)



(Unit: mm)

